A2575-1 12/22/82

American Petroleum Institute
2101 L Street, Northwest
Washington, D.C. 20037

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 63 **For Week Ended** *DECEMBER* 17, 1982 **NO.** 50

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)

ALL DATA ARE ESTIMATES MADE BY THE API BASED ON DATA FROM REPORTING COMPANIES.

	Current Week Ending: 12/17/82	Last Week Ending: 12/10/82	Last Year Week Ending: 12/18/81	Change From Last Week	Change From Last Year
Refinery Operations					
Input to crude oil distillation units	11,633	11,780	12,782	- 147	- 1,149
Operable capacity	16,663	16,663	18,230	0	- 1,567
Percent operated	69.8	70.7	70.1		
Motor Gasoline					
Motor gasoline production	6,370	6,269	6,725	+ 101	- 355
Refinery shipments of unleaded motor gasoline	3,504	3,479	3,542	+ 25	- 38
Total Motor gasoline stocks	233,162	232,906	251,854	+ 256	- 18,692
Finished unleaded motor gasoline stock	94,941	94,637	95,586	+ 304	- 645
Distillate Fuel Oil					
Distillate fuel oil production	2,551	2,775	2,845	- 224	- 294
Distillate fuel oil stocks	181,319	188,748	191,087	- 7,429	- 9,768
Residual Fuel Oil					
Residual fuel oil production	992	932	1,322	+ 60	- 330
Residual fuel oil stocks	64,475	64,188	82,094	+ 287	- 17,619
Imports					
Crude oil imports	3,202	3,260	4,441	- 58	- 1,239
Product imports	1,244	1,579	1,850	- 335	- 606
Crude Oil Stocks					
Crude oil stocks	357,801	353,612	370,587	+ 4,189	- 12,786

TOTAL U.S. DATA FOR THE CURRENT WEEK'S REFINERY OPERATIONS, PRODUCTION, STOCKS AND IMPORTS ARE NOW AVAILABLE THROUGH A PRE-RECORDED TELEPHONE MESSAGE. THE TELEPHONE NUMBER FOR THIS SERVICE IS AREA CODE (202) 457-7147.

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STATISTICS DEPARTMENT
VOL. 63 For Week Ended DECEMBER 17, 1982 NO. 50

U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Foreign Crude Runs[1]	Input to Crude Oil Distillation Units	Operable Capacity	% Operated
East Coast	1,116	1,029	942	1,052	1,569	67.0
Appal. No. 1	86	82	--	82	98	83.7
DISTRICT 1 TOTAL	1,202	1,111	942	1,134	1,667	68.0
Appal. No. 2	59	56	4	59	66	89.4
Ind., Ill., Ky.	1,730	1,540	311	1,604	2,399	66.9
Minn., Wis., Daks.	291	272	120	279	293	95.2
Okla., Kans., Mo.	805	709	7	718	858	83.7
DISTRICT 2 TOTAL	2,885	2,577	442	2,660	3,616	73.6
Inland Texas	507	467	21	478	592	80.7
Texas Gulf Coast	2,766	2,566	714	2,642	3,993	66.2
La. Gulf Coast	2,074	1,820	548	1,945	2,728	71.3
N. La. and Ark.	170	151	11	160	314	51.0
New Mexico	120	82	--	86	117	73.5
DISTRICT 3 TOTAL	5,637	5,086	1,294	5,311	7,744	68.6
DISTRICT 4 TOTAL	473	452	46	461	553	83.4
DISTRICT 5 TOTAL	2,151	1,966	242	2,067	3,083	67.0
TOTAL U.S.	12,348	11,192	2,966	11,633	16,663	69.8
TOTAL U.S. Weeks Ended:						
DEC. 10, 1982	12,363	11,274	3,256	11,780	16,663	70.7
DEC. 18, 1981	13,806	12,554	3,968	12,782	18,230	70.1
DISTRICTS 1—4 Weeks Ended:						
DEC. 17, 1982	10,197	9,226	2,724	9,566	13,580	70.4
DEC. 10, 1982	10,263	9,342	3,004	9,686	13,580	71.3
DEC. 18, 1981	11,574	10,471	3,739	10,663	15,068	70.8

[1] Included in the Crude Oil Runs to Distillation Units.

API WEEKLY STATISTICAL BULLETIN
Week Ended *DECEMBER* 17, 1982

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Kerosine	Distillate Fuel Oil[2]	Residual Fuel Oil
East Coast	625	374	13	21	5	255	151
Appal. No. 1	28	14	1	--	--	22	6
DISTRICT 1 TOTAL	653	388	14	21	5	277	157
Appal. No. 2	32	17	--	4	--	10	5
Ind., Ill., Ky.	1,020	670	12	104	17	311	60
Minn., Wis., Daks.	155	84	2	4	2	76	23
Okla., Kans., Mo.	456	210	5	18	1	203	19
DISTRICT 2 TOTAL	1,663	981	19	130	20	600	107
Inland Texas	271	165	26	21	7	112	25
Texas Gulf Coast	1,338	804	28	121	26	633	217
La. Gulf Coast	1,058	513	18	216	45	406	132
N. La. and Ark.	61	22	3	--	--	44	13
New Mexico	55	17	15	1	2	30	4
DISTRICT 3 TOTAL	2,783	1,521	90	359	80	1,225	391
DISTRICT 4 TOTAL	262	91	12	23	5	112	13
DISTRICT 5 TOTAL	1,009	523	54	187	4	337	324
TOTAL U.S.	6,370	3,504	189	720	114	2,551	992
TOTAL U.S. Weeks Ended:							
DEC. 10, 1982	6,269	3,479	177	686	160	2,775	932
DEC. 18, 1981	6,725	3,542	184	824	165	2,845	1,322
DISTRICTS 1—4 Weeks Ended:							
DEC. 17, 1982	5,361	2,981	135	533	110	2,214	668
DEC. 10, 1982	5,278	2,892	141	467	156	2,435	610
DEC. 18, 1981	5,749	2,972	154	587	160	2,503	966

[1] Refinery shipments only.
[2] Includes Grade No. 4 fuel oil.

API WEEKLY STATISTICAL BULLETIN
Week Ended *DECEMBER* 17, 1982

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Kerosine	Distillate Fuel Oil[2]	Residual Fuel Oil	Unfinished Oils
New England	6,307	3,734	75	824	907	16,947	3,191	--
Central Atlantic	31,932	13,258	300	5,104	2,712	50,931	25,414	12,817
Lower Atlantic	28,576	14,844	104	4,122	1,801	16,950	5,238	500
East Coast	62,284	29,405	436	9,764	5,084	81,394	33,406	12,355
Appal. No. 1	4,531	2,431	43	286	336	3,434	437	962
DISTRICT 1 TOTAL	66,815	31,836	479	10,050	5,420	84,828	33,843	13,317
Appal. No. 2	2,671	1,362	20	173	272	1,790	295	153
Ind., Ill., Ky.	36,828	16,108	683	3,942	2,196	23,392	3,338	12,708
Minn., Wis., Daks.	7,354	2,695	195	530	104	6,385	557	462
Okla., Kans., Mo.	19,533	6,688	516	2,188	398	14,231	814	5,624
DISTRICT 2 TOTAL	66,386	26,853	1,414	6,833	2,970	45,798	5,004	18,947
Inland Texas	7,597	2,873	511	1,768	58	3,444	394	2,511
Texas Gulf Coast	26,572	9,492	776	3,869	1,196	16,594	8,128	28,077
La. Gulf Coast	18,683	5,952	493	3,567	952	8,590	7,378	14,252
N. La. and Ark.	10,665	5,583	297	1,366	349	6,917	415	916
New Mexico	886	319	439	69	33	491	67	306
DISTRICT 3 TOTAL	64,403	24,219	2,516	10,639	2,588	36,036	16,382	46,062
DISTRICT 4 TOTAL	7,813	2,184	319	614	35	3,571	532	2,847
DISTRICT 5 TOTAL	27,745	9,849	1,465	6,011●	276	11,086	8,714	25,251
TOTAL U.S.	233,162	94,941 *	6,193	34,147	11,289	181,319	64,475	106,424
TOTAL U.S. Weeks Ended:								
DEC. 10, 1982	232,906	94,637	6,050	34,141●	10,912	188,748	64,188	107,851
DEC. 18, 1981	251,854	95,586	6,703	33,827	10,880	191,087	82,094	114,869
DISTRICTS 1—4 Weeks Ended:								
DEC. 17, 1982	205,417	85,092	4,728	28,136	11,013	170,233	55,761	81,173
DEC. 10, 1982	205,514	85,001	4,701	28,115	10,794	177,463	55,583	82,003
DEC. 18, 1981	219,925	84,191	5,055	27,064	10,669	178,957	71,706	88,693

[1] Included in Total Motor Gasoline stocks.
[2] Includes Grade No. 4 fuel oil

● *SEE REVISIONS ON PAGE 7*

**INCLUDES 22,073 BBLS OF FINISHED UNLEADED MOTOR GASOLINE AT REFINERIES AS FOLLOWS:*
DIST. 1: 2,849 *DIST. 2:* 5,083 *DIST. 3:* 8,864 *DIST. 4:* 844 *DIST. 5:* 4,433

API WEEKLY STATISTICAL BULLETIN
Week Ended *DECEMBER* 17, 1982

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production[1] API Monthly	Estimated Domestic Production[1] Latest Dept. of Energy *JUL* 1982	Crude Oil Imports[1] Total	Crude Oil Imports[1] From Canada	Crude Oil Stocks By Location[1]
	---Daily Average---				
DISTRICTS 1—4 TOTAL					
DEC. 17, 1982	5,851.5	5,840.0	2,968	181	273,750
DEC. 10, 1982	5,851.5	--	3,046	146	271,064
DEC. 3, 1982	5,852.5	--	3,550	158	269,293
NOV. 26, 1982	5,852.5	--	3,273	170	266,685
DISTRICT 5 TOTAL					
DEC. 17, 1982	2,767.5	2,816.0	234	15	84,051 *
DEC. 10, 1982	2,767.5	--	214	29	82,548
DEC. 3, 1982	2,785.1	--	240	14	82,147
NOV. 26, 1982	2,785.1	--	139	14	76,934
TOTAL U.S.					
DEC. 17, 1982	8,619.0	8,656.0	3,202	196	357,801 *
DEC. 10, 1982	8,619.0	--	3,260	175	353,612
DEC. 3, 1982	8,637.6	--	3,790	172	351,440
NOV. 26, 1982	8,637.6	--	3,412	184	343,619
DEC. 18, 1981	8,309.0/A	--	4,441	174	370,587

*INCLUDES 25,915 BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.

/A DOE ACTUAL FOR DECEMBER 1981.

LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

Location	Week Ended *DECEMBER* 17, 1982 Domestic	Foreign	Total	Week Ended *DECEMBER* 19, 1981 Domestic	Foreign	Total
PAD District 1	4,304	14,199	18,503	5,007	14,279	19,286
PAD District 2	62,467	14,321	76,788	68,182	15,409	83,591
PAD District 3	123,492	42,388	165,880	126,135	41,983	168,118
PAD District 4	11,138	1,441	12,579	14,408	744	15,152
TOTAL PAD DISTRICTS 1—4	201,401	72,349	273,750	213,732	72,415	286,147
PAD District 5	78,913	5,138	84,051 *	76,302	8,138	84,440
TOTAL U.S.	280,314	77,487	357,801 *	290,034	80,553	370,587

[1] See definitional notes, Page 6.

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel Naphtha Type	Jet Fuel Kerosine Type	Kerosine	Distillate Fuel Oil	Grade No. 4 Fuel Oil	Residual Fuel Oil	L.P.G.	Petro-chemical Feedstocks	Special Naphtha	Plant Condensate	Asphalt	Unfinished Oil[2]	Total
New England	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Central Atlantic	169	49	7	11	12	105	--	250	5	15	5	--	2	13	594
Lower Atlantic	--	--	--	--	--	--	--	197	--	--	--	--	--	2	199
DISTRICT 1 TOTAL[2]															
DEC. 17, 1982	169	49	7	11	12	105	--	447	5	15	5	--	2	15	793
DEC. 10, 1982	140	49	7	8	12	252	--	620	11	19	8	--	2	24	1,103
DEC. 3, 1982	135	61	6	9	9	87	--	664	7	17	11	--	2	19	966
NOV. 26, 1982	100	49	10	11	7	91	--	600	8	--	6	--	1	104	938
DISTRICTS 2—4 TOTAL															
DEC. 17, 1982	12	2	--	--	--	--	--	58	200	50	13	9	--	18	360
DEC. 10, 1982	11	1	--	--	--	--	--	79	194	53	26	10	--	2	375
DEC. 3, 1982	10	1	--	--	--	2	--	81●	213	48	14	12●	--	20	400●
NOV. 26, 1982	11	3	--	--	--	1	--	100	288	73	39	177	8	184	881
DISTRICT 5 TOTAL															
DEC. 17, 1982	38	12	1	1	--	6	--	15	13	4	5	1	--	7	91
DEC. 10, 1982	39	13	1	2	--	8	--	17	16	5	5	1	--	7	101
DEC. 3, 1982	41	12	3	2	--	6	--	12	16	5	6	1	--	4	96
NOV. 26, 1982	39	13	2	1	--	6	--	10	18	5	6	--	--	3	90
TOTAL U.S.	219	63	8	12	12	111	--	520	218	69	23	10	2	40	1,244
TOTAL U.S. Weeks Ended:															
DEC. 10, 1982	190	63	8	10	12	260	--	716	221	77	39	11	2	33	1,579
DEC. 3, 1982	186	94	9	11	9	95	--	757●	236	70	31	13●	2	43	1,462●
NOV. 26, 1982	150	65	12	12	7	98	--	710	314	78	51	177	9	291	1,909
DEC. 18, 1981	171	83	15	--	7	94	--	1,116	346	--	2	16	1	82	1,850

[1] Included in Total Motor Gasoline imports.
[2] See definitional notes, Page 6.

● SEE REVISIONS ON PAGE 7

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded motor gasoline represent only finished, unleaded motor gasoline located at refineries, pipelines and bulk terminals. These stocks are also included in "total motor gasoline stocks." However, a large part of the motor gasoline stocks at refineries consist of components which may be blended to produce either leaded or unleaded motor gasoline. For that reason, these stocks cannot be classified as either finished unleaded or leaded motor gasoline. Therefore, it is incorrect to assume that the difference between total motor gasoline stocks and finished, unleaded motor gasoline stocks is equal to leaded motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and Dist. of Col.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month.

Crude Oil Imports

Refinery receipts of foreign origin.
The Total of crude oil imports includes receipts from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

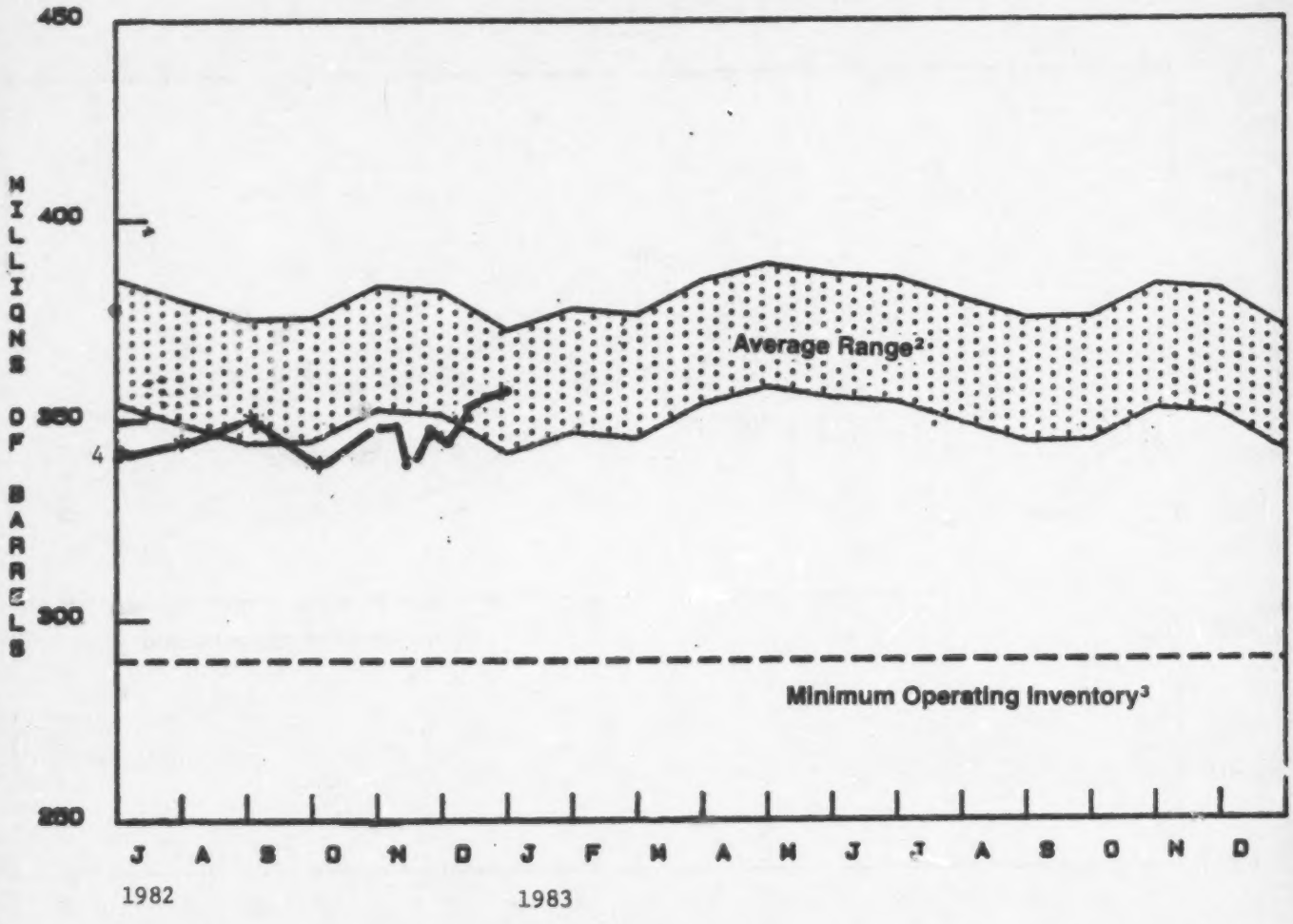
Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE montly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

REVISIONS

12/03/82	PAGE 5	RESIDUAL FUEL	DISTRICTS 2-4 TOTAL	81
			TOTAL U.S.	757
		PLANT CONDENSATE	DISTRICTS 2-4 TOTAL	12
			TOTAL U.S.	13
		TOTAL	DISTRICTS 2-4 TOTAL	400
			TOTAL U.S.	1,462
12/10/82	PAGE 3	KEROSINE JET	DISTRICT 5 TOTAL	6,026
			TOTAL U.S.	34,141

Crude Oil Stocks at Primary Level[1] [5]



[1]Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

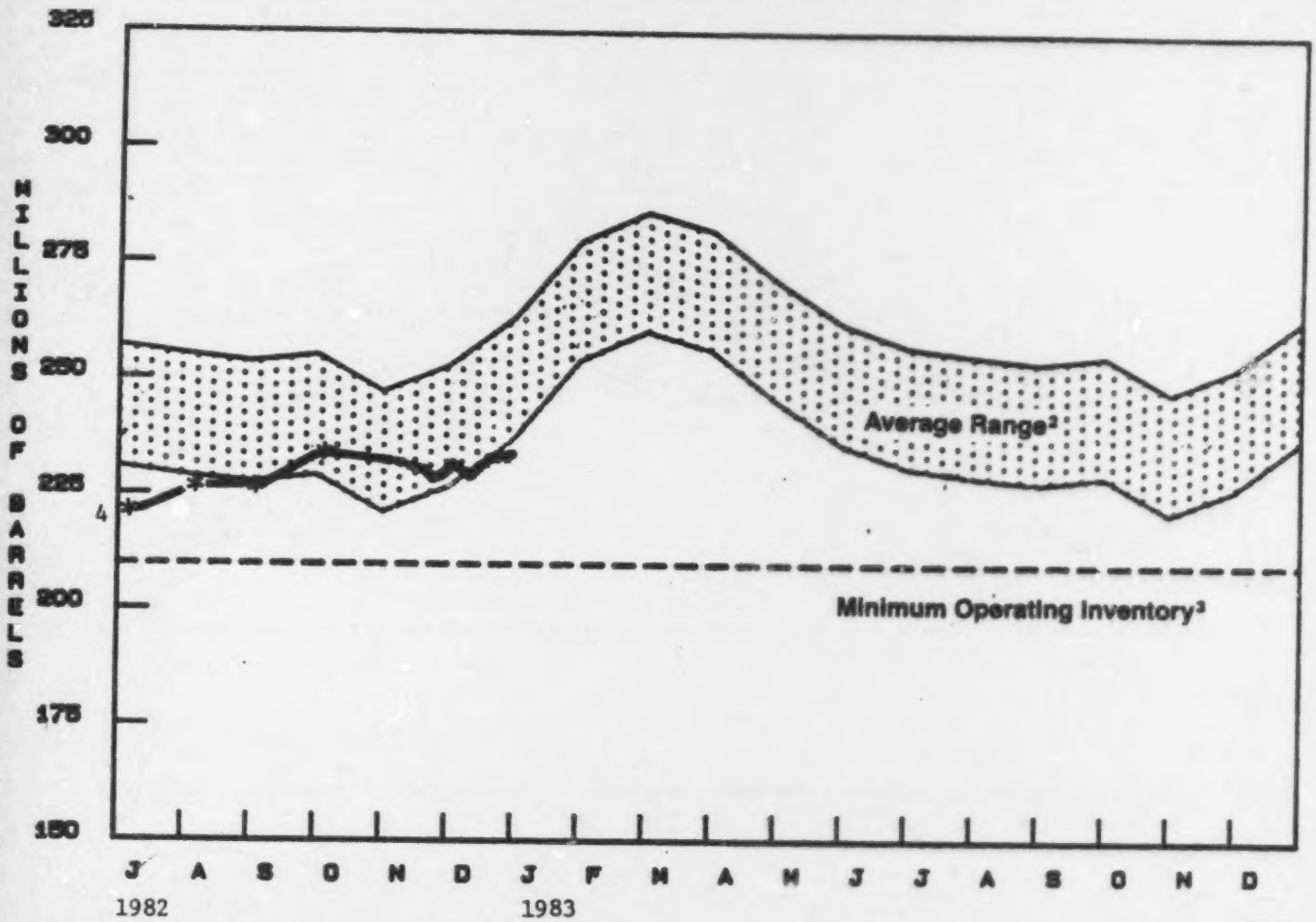
[2]Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January-1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Motor Gasoline Stocks at Primary Level[1,5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

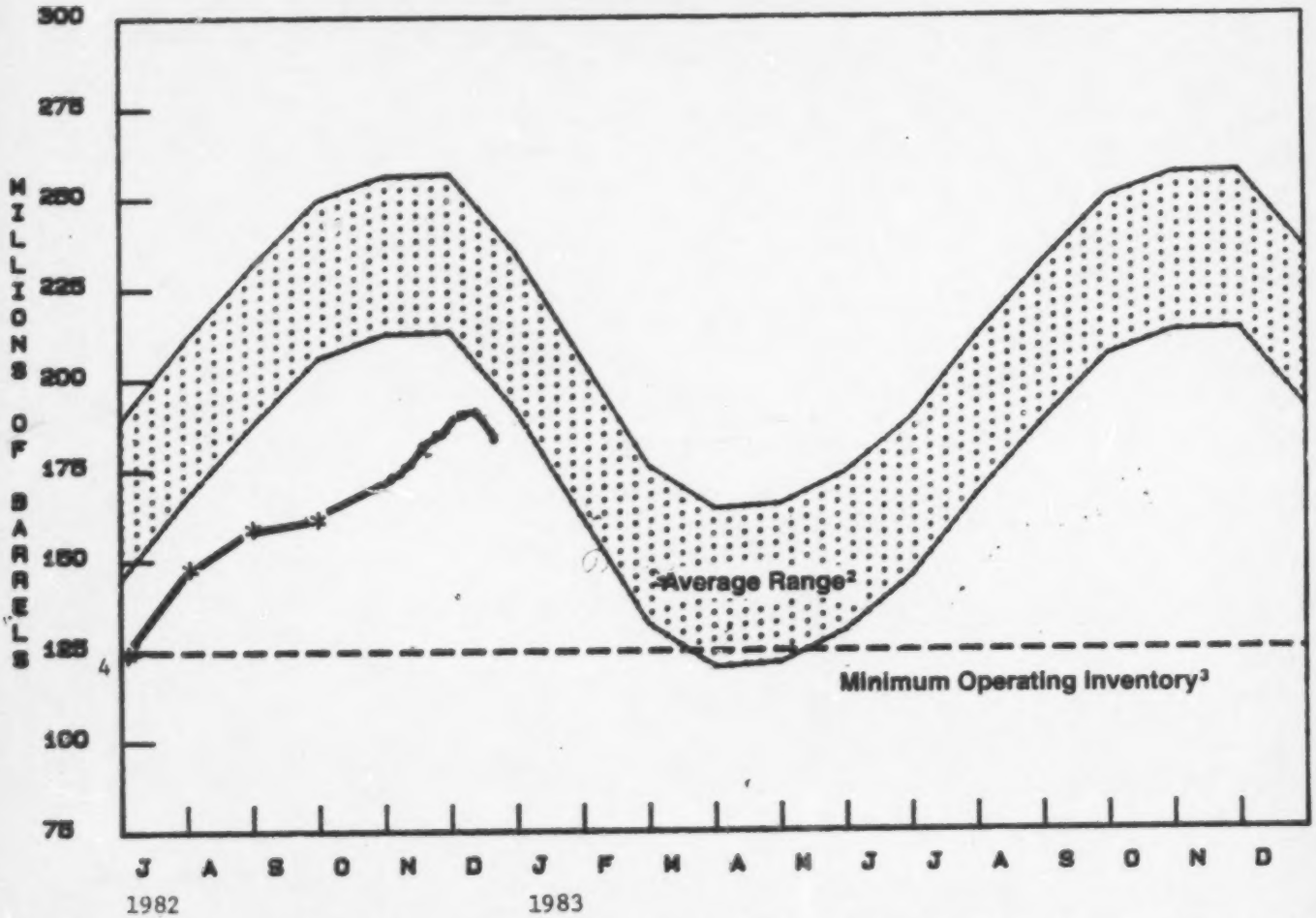
[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Distillate Fuel Oil Stocks at Primary Level[1] [5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

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[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
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[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.